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› Hygger HG005-10W LED Aquarium Light User Manual

hygger HG005-10W

Hygger HG005-10W LED Aquarium Light User Manual

Model: HG005-10W | Brand: Hygger

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the Hygger HG005-10W LED Aquarium Light. This full-spectrum LED light is designed to provide optimal illumination for your aquarium, featuring a 24/7 natural mode, customizable DIY settings, and a durable, waterproof design. It includes three rows of LED beads for wider light coverage and a separable adapter for convenience. This manual provides detailed instructions for installation, operation, and maintenance to ensure the best performance and longevity of your product.



Image 1.1: Hygger HG005-10W LED Aquarium Light. This image shows the overall design of the LED light bar, highlighting its sleek profile and the arrangement of the LED beads.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before use.
- Ensure the power supply voltage matches the product's requirements (AC100-240V).
- Do not operate the light if the power cord or adapter is damaged.
- Always unplug the light from the power outlet before performing any maintenance or installation.
- The light is IP68 waterproof, allowing for submersible use. However, ensure all connections are secure and dry before powering on.
- Keep out of reach of children.
- Do not attempt to disassemble or modify the light.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Hygger HG005-10W LED Aquarium Light

- Power Adapter (separable)
- Mounting Suction Cups/Brackets (for installation)
- User Manual

4. SETUP AND INSTALLATION

The Hygger HG005-10W LED Aquarium Light offers versatile installation options:

1. **Submersible Use:** The light is IP68 waterproof. Attach the suction cups to the light bar and firmly press them against the inside glass of your aquarium, ensuring it is fully submerged.
2. **Hidden Light:** Position the light behind the exterior of the aquarium, using the provided brackets or suction cups to create an atmospheric background light.
3. **Under Aquarium Cover:** Secure the light under the aquarium cover using the appropriate mounting accessories.

After positioning the light, connect the separable power adapter to the light and then plug it into a suitable power outlet.

24/7 DEFAULT SETTING



- Gradient Orange light (sunrise) from 6 am to 8 am;
- Gradient White(day) light from 8 am to 6 pm;
- Gradient Blue light (moonlight) from 6pm to 10:50pm;
- The lights are off in other time periods.

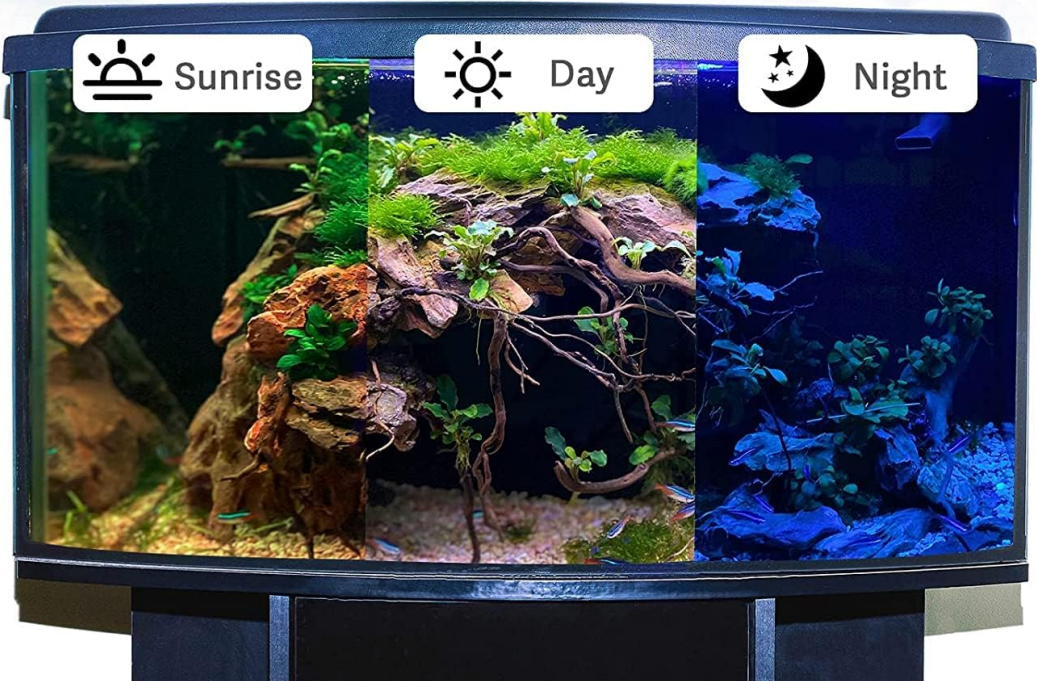


Image 4.1: Installation Methods. This image illustrates how the light can be used as a submersible light, a full spectrum light on top of the tank, or a hidden light behind the tank.

5. OPERATING INSTRUCTIONS

The Hygger HG005-10W LED Aquarium Light features a user-friendly controller with multiple modes and settings.

Controller Overview:



Image 5.1: Controller Functions. This image displays the controller with labels for the TIMER button, ON-OFF/M button, brightness adjustment buttons, and the 24/7 mode button.

- **TIMER Button:** Sets the lighting duration (6h, 10h, 12h) in manual mode.
- **ON-OFF/M Button:** Turns the light on/off and cycles through different colors in manual mode.
- **Brightness Adjustment Buttons (Up/Down Arrows):** Adjusts the light intensity in manual mode (5 levels).
- **24/7 Button:** Activates the 24/7 natural mode.

5.1. 24/7 Default Mode (Natural Cycle)

This mode simulates a natural day-night cycle for your aquarium. Press the **24/7 button** to activate it. The light will automatically transition through:

- **Sunrise (Orange Light):** Gradually brightens from 6 AM to 8 AM.
- **Daylight (White Light):** Bright white light from 8 AM to 6 PM.
- **Moonlight (Blue Light):** Gentle blue light from 6 PM to 10:50 PM.

- The lights will be off during other periods.

The entire standard period can be delayed or extended as needed.



Image 5.2: 24/7 Default Setting. This image shows an aquarium transitioning through sunrise (orange), day (white), and night (blue) lighting phases.

5.2. DIY/Manual Mode

This mode allows you to customize the lighting duration, brightness, and color.

1. **Setting the Timer:** Press the **TIMER** button to select a lighting duration: 6 hours, 10 hours, or 12 hours.
2. **Adjusting Brightness:** Use the **Up/Down Arrow** buttons to select one of 5 brightness levels.
3. **Changing Color:** Press the **ON-OFF/M** button repeatedly to cycle through 7 colors: White, Red, Blue, Green, Purple, Orange, Cyan, and a color cycle mode.

Video 5.3: Product Demonstration. This video demonstrates the features and operation of the Hygger LED Aquarium Light, including setting the timer, adjusting brightness, changing colors, and showcasing the 24/7 mode.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Hygger LED Aquarium Light.

- **Cleaning:** Always unplug the light before cleaning. Gently wipe the light bar with a soft, damp cloth to

remove algae or mineral deposits. Do not use harsh chemicals or abrasive materials.

- **Power Adapter:** The separable adapter allows for easy replacement if damaged, preventing the need to replace the entire light unit. Ensure the adapter is kept dry and free from water splashes.
- **Cable Inspection:** Periodically check the power cord and connections for any signs of wear or damage.

7. TROUBLESHOOTING

If you encounter issues with your Hygger LED Aquarium Light, please refer to the following common solutions:

- **Light Not Turning On:**
 - Check if the power adapter is securely plugged into both the light and the power outlet.
 - Ensure the power outlet is functional by testing it with another device.
 - Inspect the power cord and adapter for any visible damage.
- **Incorrect Mode or Settings:**
 - Refer to Section 5 (Operating Instructions) to ensure you are using the correct buttons for your desired mode (24/7 or DIY).
 - If the light is in 24/7 mode, it will follow the programmed cycle. To change settings, switch to DIY mode.
- **Flickering Light:**
 - Ensure all connections are tight and dry.
 - Try plugging the light into a different power outlet.

If the issue persists after trying these steps, please contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the Hygger HG005-10W LED Aquarium Light:

Parameter	Value
Model	HG005-10W
Power	10W
LED Quantity	60 PCS (White: 28, Blue: 8, Red: 4, RGB: 20)
Color Rendering Index (CRI)	70
Recommended Tank Length	17" - 30" (approx. 43cm - 76cm)
Power Cord Length	6 ft + 4.9 ft (approx. 1.8m + 1.5m)
Input Voltage	AC100-240V
Output Voltage	DC 20V
Kelvin (White)	6500K
Wavelength (Blue)	455 nm

Parameter	Value
Wavelength (Red)	620 nm
Lumens	962.4 lm
Material	Plastic
Lamp Type	LED
Waterproof Rating	IP68
Product Dimensions (Controller/Packaging)	10P x 5l x 5H cm



Image 8.1: LED Specifications. This image provides a visual breakdown of the LED types and their distribution on the light bar, along with key technical parameters.

Produktdatenblatt			
DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen			
Name oder Handelsmarke des Lieferanten: hygger			
Anschrift des Lieferanten: MIHAJ, Bloc 42, Scara 1, Etaj 5, Apartament 29, 22882 Bucuresti Sectorul 2, Romania			
Modellkennung: HG005-10W			
Art der Lichtquelle:			
Verwendete Beleuchtungstechnologie:	LED	Ungeündelt oder gebündelt:	NDLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	AC		
Kennzeichnung/Nicht direkt an	AC	Verwendete Lichtquelle:	NDLS

Leistungsfähigkeit, wenn die Netzspannung angeschlossen:	Nein	Farbwiedergabeindex (CRI):	–	
Farblich abstimmbare Lichtquelle:	Nein	Hülle:	–	
Lichtquelle mit hoher Leuchtdichte:	Nein			
Blendschutzschild:	Nein	Dimmbar:	Nein	
Produktparameter				
Parameter	Wert	Parameter	Wert	
Allgemeine Produktparameter:				
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	10	Energieeffizienzklasse	E	
Nutlichtstrom (Φ _{use}) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360 °), in einem breiten Kegel (120 °) oder in einem schmalen Kegel (90 °) bezieht	1 100 in breiter Kugel (120 °)	ähnliche Farbtemperatur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	6 500	
Leistungsaufnahme im Ein-Zustand (P _{in}) in W	10,0	Leistungsaufnahme im Bereitschaftszustand (P _{by}) in W, auf die zweite Dezimalstelle gerundet	–	
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P _{net})	–	Farbwiedergabeindex, auf die	83	
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für CRI in W, auf die zweite Dezimalstelle gerundet		nächstliegende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte		
Äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungssteuerungsteile und Nicht-Beleuchtungsteile (Millimeter)	Höhe	400	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Vollast	Siehe Bild auf letzter Seite
	Breite	30		
	Tiefe	10		
Angabe zu einer gleichwertigen Leistungsaufnahme ^(a)	–	Falls ja, gleichwertige Leistungsaufnahme (W)	–	–
		Farbwertanteile (x und y)	0,326 0,334	
Parameter für LED- und OLED-Lichtquellen:				
Wert des R9-Farbwiedergabeindex	14	Lebensdauerfaktor	0,96	
Lichtstromerhalt	0,96			
Parameter für LED- und OLED-Netzspannungslichtquellen:				
Verschiebungsfaktor (cos φ ₁)	0,93	Farbkonsistenz in MacAdam-Ellipsen	5	
Angabe, dass eine LED-Lichtquelle eine Leuchtstofflichtquelle ohne eingebautes Vorschaltgerät mit einer bestimmten Leistungsaufnahme ersetzt	„Ja“	Falls ja, Angabe zur ersetzten Leistungsaufnahme (W)	–	
Flimmer-Messgröße (Pst LM)	0,1	Messgröße für Stroboskop-Effekte (SWM)	0,1	

(a) „–“: nicht zutreffend;
(b) „–“: nicht zutreffend;

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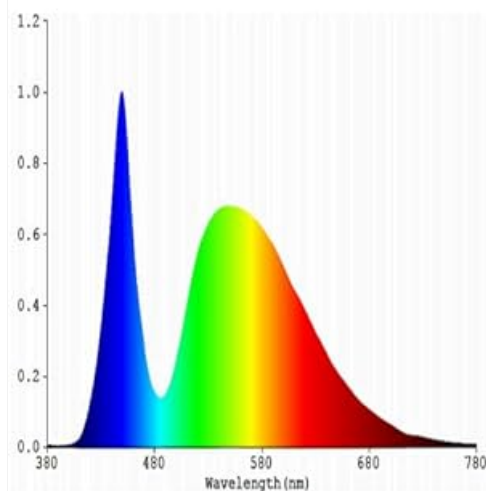


Image 8.2: Energy Label. This image displays the energy efficiency label for the Hygger HG005-10W LED Aquarium Light.

9. WARRANTY AND SUPPORT

Hygger products are designed for quality and reliability. For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Hygger website. Please retain your proof of purchase for any warranty claims.